

Product datasheet for **TP710322**

Selenophosphate synthetase 1 (SEPHS1) (NM_012247) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human aprataxin and PNKP like factor (APLF), full length, with C-terminal DDK tag, expressed in sf9, 20ug
Species:	Human
Expression Host:	Sf9
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC209406, encoding human full-length SEPHS1
Tag:	C-DDK
Predicted MW:	42.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, 100 mM glycine, pH 8.0, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_036379
Locus ID:	22929
UniProt ID:	P49903
RefSeq Size:	3275
Cytogenetics:	10p13
RefSeq ORF:	1176
Synonyms:	SELD; SPS; SPS1



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Summary: This gene encodes an enzyme that synthesizes selenophosphate from selenide and ATP. Selenophosphate is the selenium donor used to synthesize selenocysteine, which is co-translationally incorporated into selenoproteins at in-frame UGA codons. [provided by RefSeq, Sep 2010]

Protein Families: Stem cell - Pluripotency

Protein Pathways: Metabolic pathways, Selenoamino acid metabolism

Product images:

